

**Alaska Department of Environmental Conservation  
Air Permit Program - Owner Requested Limit**

**FACILITY IDENTIFICATION                      No. ORL 000193**

Owner/Operator: Kodiak Electric Association, Inc.  
Facility Name: Kodiak Swampy Acres Generating Plant  
Facility Address: P. O. Box 787  
City, State, Zip: Kodiak, Alaska 99615-0787

Latitude/Longitude:        57<sup>0</sup> 46' 34" North, 152<sup>0</sup> 28' 37" West

Facility Contact: Mr. Wes Hillman  
Phone Number: (907) 486-7765

The above named owner/operator submitted a complete application for an owner requested limit under 18 AAC 50.225(b) for the Kodiak Swampy Acres Generating Plant and subsequently a request for an amendment to that owner requested limit. The Department grants an owner-requested limit to restrict the potential to emit of the facility such that an operating permit is not needed due to being classified under 18 AAC 50.325(b)(1) and (b)(2). The Department certifies that the owner requested limit is effective as of the date noted below.

In accordance with 18 AAC 50.225(f), the applicant has agreed to the conditions listed on the following pages.

The owner or operator may revise this limit under 18 AAC 50.225(h) by submitting a new request under 18 AAC 50.225(b). This limit remains in effect until the revision is approved. The owner or operator may terminate this limit according to the procedures of 18 AAC 50.225(h).

I understand and agree to the terms and conditions of this approval.

\_\_\_\_\_  
Owner or Operator

\_\_\_\_\_  
Wes Hillman

Title: Power Production Manager, KEA

This certifies that on \_\_\_\_\_, the person named above appeared before me, a notary public in and for the State of Alaska, and signed the above statement in my presence.

Notary Signature & Seal  
My commission expires

Department approval:

\_\_\_\_\_  
Air Permit Program Issuing Officer

\_\_\_\_\_  
Limit Effective Date

## CONDITIONS

1. The owner/operator shall limit the fuel consumption of the stand-by diesel electric generators, Sources No. 8, No. 9, No. 10, and No. 11 in Table 1 to 297,810 gallons of liquid fuel in **any consecutive twelve-month period**. This restriction will limit potential NO<sub>x</sub> emission from the generators to less than 100 tons/year.
2. The owner/operator shall ensure that fuel sulfur content of the liquid fuel burned at the facility does not exceed 0.33% by weight.
3. The owner/operator shall conduct monitoring related to the conditions established in this limit, in accordance with the following:
  - (A) For condition 1, maintain and operate the continuous system for recording and monitoring the fuel consumption for each Source No. 8 - 11. The system accuracy shall be  $\pm 5$  percent.
  - (B) For condition 2, test each shipment of the fuel oil using the applicable ASTM Method to confirm fuel oil sulfur content is 0.33 percent or less. Approved methods include ASTM D975-84, D3120-92, D2622-91, D4294-90, and ASTM396-92. Documentation of analyses by approved methods performed by the fuel vendor of the shipment received is acceptable in lieu of testing by the permittee.
4. The owner/operator shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of collection. Support information includes fuel delivery or fuel use records, calibrations for fuel monitoring instrumentation, and copies of reports and certifications required by this approval. In addition, the owner/operator shall keep specific records as follows:
  - (A) Keep records of the quantity of diesel fuel burned in the stand-by diesel electric generators listed in Table 1 by month;
  - (B) Keep copies of fuel delivery records that specify the grade of fuel used in sources at the facility; and
  - (C) Keep copies of reports and certifications required by this approval.
5. The owner/operator shall submit three copies of an annual compliance report to the ADEC, Air Permit Program, 610 University Avenue, Fairbanks, Alaska 99709-3643. Each year the report is due by **August 1** for information from the period July 1 of the preceding year to June 30 of the current year. The reports shall contain:
  - (A) The name of the owner/operator, the facility name, ORL number and the period of the report;
  - (B) A listing of diesel fuel consumed in the sources listed in Table 1 for the past 12 months, by month;
  - (C) A listing of the operational hours for each diesel generator listed in Table 1 for the past 12 months, by month;
  - (D) A listing of the sulfur content, fuel sulfur testing results, or the fuel grade of each fuel shipment used in sources at the facility during the reporting period;
  - (E) The reports must clearly identify any deviation from the limit requirements; and
  - (G) A certification of report information, signed by the Responsible Official defined in 18 AAC 50.990(77), using the format of 18 AAC 50.205.

6. The owner/operator shall certify compliance annually by August 1 each year for the period from July 1 of the previous year to June 30 of the current year in accordance with the format specified in 18 AAC 50.205. The owner/operator shall submit two copies and the original of the annual certification of compliance to ADEC, Air Permit Program, 610 University Avenue, Fairbanks, Alaska 99709-3643, and send one copy to EPA, 1200 6th Avenue mail stop OAQ-107, Seattle, WA 98101.

**Statement of Avoided Requirement:**

The potential to emit of the sources listed in Table 1, for any one regulated air contaminant is reduced to less than 100 tons per year by limiting the fuel consumed in the sources and limiting the sulfur content of the fuel to no greater than 0.33% by weight. In accordance with 18 AAC 50.210, the capacity of the facility to emit an air contaminant is verifiable through the monitoring, record keeping, and reporting contained in this approval. By limiting the potential to emit of the sources listed in Table 1, the owner/operator is avoiding the requirement to obtain an operating permit for a facility that is classified under AS 46.14.130(b) and 18 AAC 50.325(b)(1) and (b)(2).

**Table 1**  
**Diesel-Electric Generator Inventory Subject to Limit**

<u>Description</u>		<u>Mfg. / Model. No.</u>	<u>Rated capacity</u>
<b>Kodiak Swampy Acres Generating Plant</b>			
Stand-by Diesel generator	Source No. 8	Fairbanks Morse 38TD-8 1/8	2665 kW(derated to 1700Kw)
Stand-by Diesel generator	Source No. 9	Fairbanks Morse 38-TD-8 1/8	2000 kW(derated to 1700kW)
Stand-by Diesel generator	Source No. 10	Caterpillar 3516B	1640 kW
Stand-by Diesel generator	Source No. 11	Caterpillar 3516B	1640kW

## ADEC Notification Form

Fax this form to: (907) 269-7508

Telephone: (907) 269-8888

Kodiak Electric Association  
Company Name

Swampy Acres Generating Plant  
Facility Name

### Reason for notification:

☐ **Excess Emissions**

*If you checked this box  
Fill out section 1*

☐ **Other Deviation from Permit Condition**

*If you checked this box  
fill out section 2*

When did you discover the Excess Emissions or Other Deviation:

Date: \_\_/\_\_/\_\_ Time:\_\_:\_\_

### Section 1. Excess Emissions

#### (a) Event Information (Use 24-hour clock):

	START Time:	END Time:	Duration (hr:min):
Date: _____	_____:_____	_____:_____	_____:_____
Date: _____	_____:_____	_____:_____	_____:_____
		<b>Total:</b>	_____:_____

#### (b) Cause of Event (Check all that apply):

<input type="checkbox"/> START UP	<input type="checkbox"/> UPSET CONDITION	<input type="checkbox"/> CONTROL EQUIPMENT
<input type="checkbox"/> SHUT DOWN	<input type="checkbox"/> SCHEDULED MAINTENANCE	<input type="checkbox"/> OTHER _____

*Attach a detailed description of what happened, including the parameters or operating conditions exceeded.*

#### (c) Sources Involved:

*Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.*

Source ID No.	Source Name	Description	Control Device
_____	_____	_____	_____
_____	_____	_____	_____

#### (d) Emission Limit Potentially Exceeded

*Identify each emission standard potentially exceeded during the event. Attach a list of ALL known or suspected injuries or health impacts. Identify what observation or data prompted this report. Attach additional sheets as necessary.*

Permit Condition	Limit	Emissions Observed
_____	_____	_____
_____	_____	_____

#### (e) Excess Emission Reduction:

*Attach a description of the measures taken to minimize and/or control emissions during the event.*

**(f) Corrective Actions:**

*Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of a recurrence.*

**(g) Unavoidable Emissions:**

*Do you intend to assert that these excess emissions were unavoidable?*

☐ YES      ☐ NO

*Do you intend to assert the affirmative defense of 18 AAC 50.235?*

☐ YES      ☐ NO

**Section 2. Other Permit Deviations**

**(a) Sources Involved:**

*Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.*

Source ID No.	Source Name	Description	Control Device
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**(b) Permit Condition Deviation:**

*Identify each permit condition deviation or potential deviation. Attach additional sheets as necessary.*

Permit Condition	Potential Deviation
_____	_____
_____	_____
_____	_____

**(c) Corrective Actions:**

*Attach a description of actions taken to correct the deviation or potential deviation and to prevent recurrence.*

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

\_\_\_\_\_  
Printed Name:

\_\_\_\_\_  
Signature:

\_\_\_\_\_  
Date